App No.: NEW Docket No.: 0032-0292PUS1 Inventor: Tomokaz YOSHINAGA et al.
Title: A SCREENING METHOD FOR A RIBONUCLEASE H INHIBITOR OF A REVERSE TRANSCRIPTASE NEW SHEET Sheet 1 of 2

[Figure 1]

R W X

5'-CAG UCC UCU AUU GUG UGC ATC AAA GGA TAG ATG TAA AAG ACA CC -3'

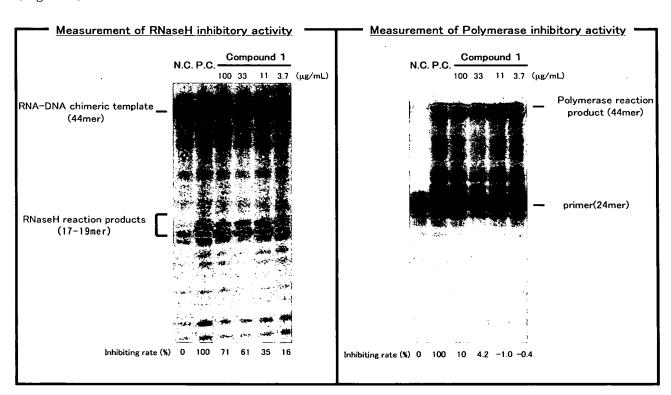
3'- G TTT CCT ATC TAC ATT TTC TGT GG -5'

Y

template 5'-NRWXZ-3': N=0, R=19, W=1, X=24, Z=0

primer 3'-Y-5': Y=24

[Figure 2]



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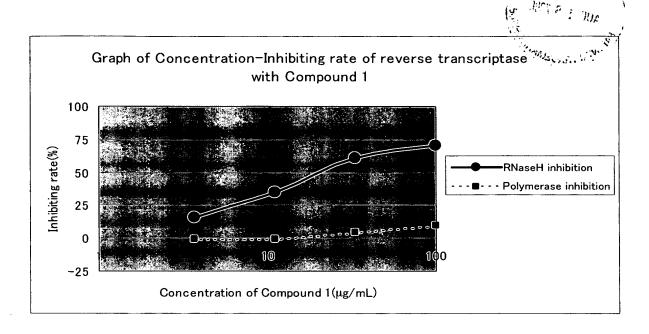
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**NEW SHEET** 

[Figure 3]



$$IC_{50 \text{ value}} = B-(Y-50)(B-A) / (Y-X)$$
  
= 33.3-(61.1-50)(33.3-11.1) / (61.1-35.3)  
= 24

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